Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/11/2017 10:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124568	-1	2.12	124415	2.13
Blue	F	SSC	125000	123460	-2	3.12	123876	2.97
Blue	E	FITC	23355	22717	-3	2.61	1010	10.35
Blue	D	PE	28848	28501	-2	2.17	1024	10.01
Blue	B	PerCP-Cy5-5	47791	46887	-2	3.48	1348	16.83
Blue	A	PE-Cy7	41358	40937	-2	5.11	633	35.51
Red	C	APC	51316	50781	-2	2.71	2943	9.20
Red	A	APC-Cy7	53225	52404	-2	2.71	1085	11.12
Violet	B	V450	14473	13823	-5	3.38	667	8.92
Violet	A	V500	59973	59234	-2	3.19	2628	6.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18559	4.72	608	10	N/A	N/A	Pass
Blue	F	SSC	61089	1.92	541	7	N/A	N/A	Pass
Blue	E	FITC	117	40.43	544	0	0.0211	305	Pass
Blue	D	PE	226	29.65	540	2	0.1565	258	Pass
Blue	B	PerCP-Cy5-5	210	45.98	630	0	0.0103	145	Pass
Blue	A	PE-Cy7	70	117.49	683	2	0.0119	15	Pass
Red	C	APC	345	26.96	591	-3	0.0215	80	Pass
Red	A	APC-Cy7	119	40.30	572	-4	0.0057	1710	Pass
Violet	B	V450	81	41.27	467	-4	0.0412	1552	Pass
Violet	A	V500	192	23.85	499	-2	0.0144	741	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.95	-31.33	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	19.07	13.27 - 19.91	N/A	N/A	31.28	31.82	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9977

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments